

Patent Abstracts of Japan

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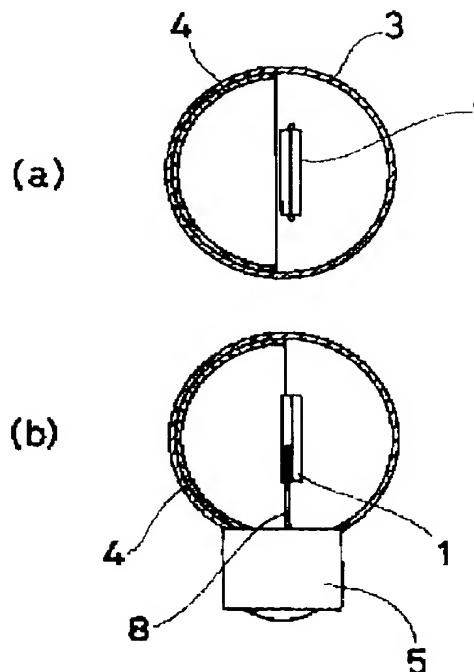
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TITLE : LIGHT SOURCE



ABSTRACT : PURPOSE: To suppress the emission of the infrared ray emitted from one surface of an incandescent body to the outside of a tube body in a light source having the incandescent body having such fine cavities as shielding and emitting the light of infrared ray area formed on the other surface.

CONSTITUTION: An incandescent body 1 is flat, and arranged in a spherical tube body 2 consisting of a light permeable material. One surface of the incandescent body 1 has cavities so fine that the light of infrared ray area can be shielded on the whole surface. Of the internal space of the tube body 3, on the inner circumferential surface of the tube wall of the tube body 3 enclosing the space on the rear surface side of the incandescent body 1, a reflecting surface 4 is provided. The light including the infrared ray area emitted from the rear surface of the incandescent body 1 is reflected by the reflecting surface 4 and reaches the incandescent body 1, by which the light is absorbed or reflected. Thus, the light to the back of the incandescent body 1 is hardly leaked to the outside of the tube body 3.

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